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Claims

1. Method for monitoring at least one measuring signal, in
particular for use in automation technology, in which method
5   a computer system cyclically determines a characteristic
value (4) of the measuring signal in measuring periods (8)
which are separated from one another by a time interval (9),
whereby
- a priority (P1...P15) is defined automatically,
10   - said priority (P1...P15) is assigned to the measuring
signal and
- the time interval (9) between the measuring periods (8) is
  specified as a function of the priority (P1...P15).

15   2. Method according to Claim 1,
wherein
the priority (P1...P15) is defined automatically as a
function of the characteristic value (4) of the measuring
signal.
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3. Method according to Claim 1 or 2,
wherein
the priority (P1...P15) is defined automatically as a
function of the size of the difference in the characteristic
25   values (4) of the measuring signal which were determined in
two successive measuring periods (8).

4. Method according to one of the preceding claims,
wherein
30   the priority (P1...P15) is defined automatically as a
function of a trend analysis performed by the computer system
of the characteristic values (4) of the measuring signal
which were determined in successive measuring periods (8).

35   5. Method according to one of the preceding claims,
wherein

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the measuring periods (8) are embodied as discrete sampling
instants and the characteristic values (4) of the measuring
signal are embodied as momentary values of the measuring
signal.

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